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Fig. 1a

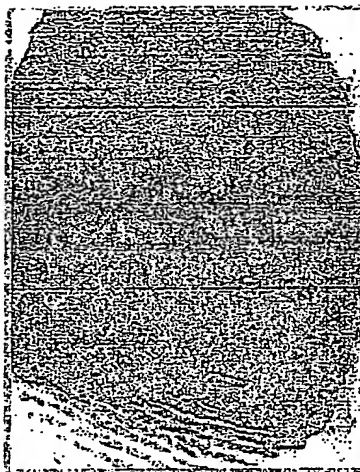


Fig. 1b



Fig. 1c

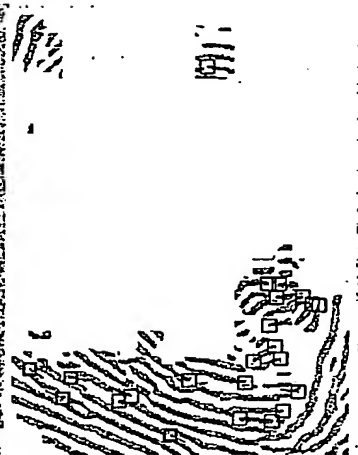


Fig. 3a

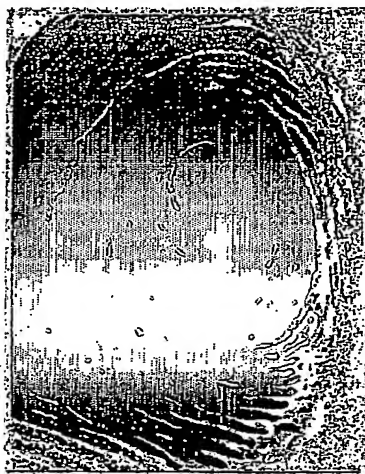


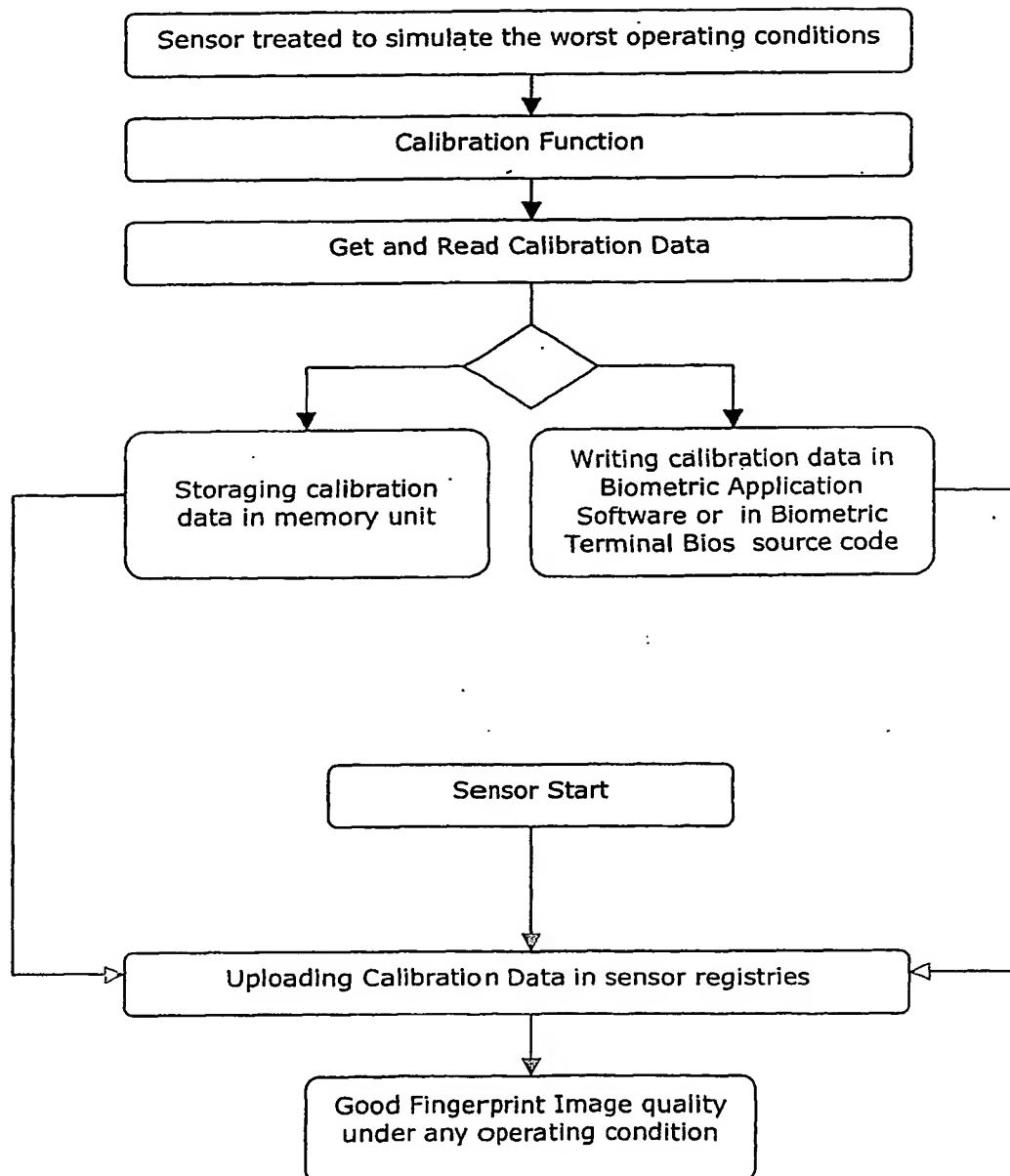
Fig. 3b



Fig. 3c



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Fig. 2

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Fig. 4a

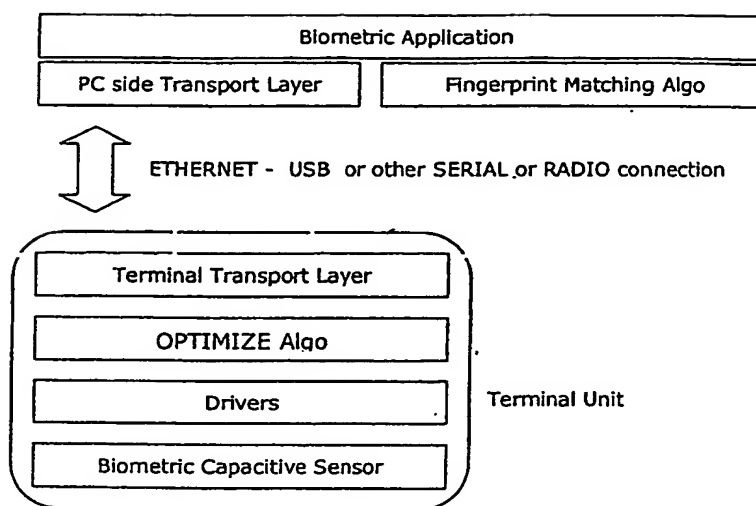
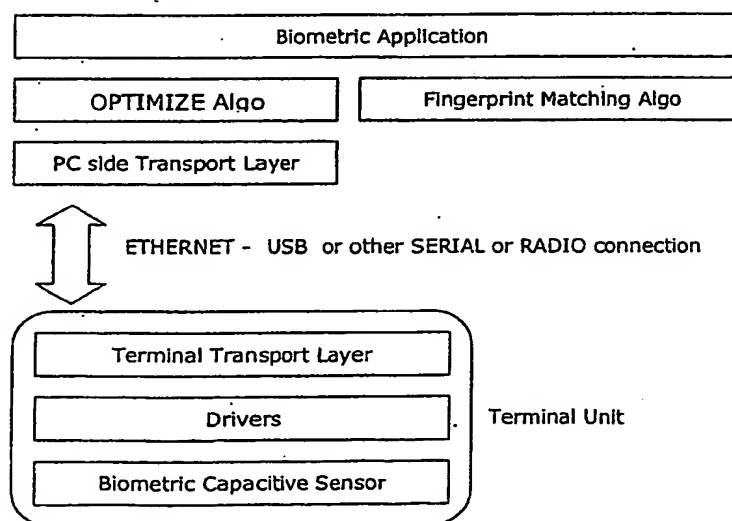
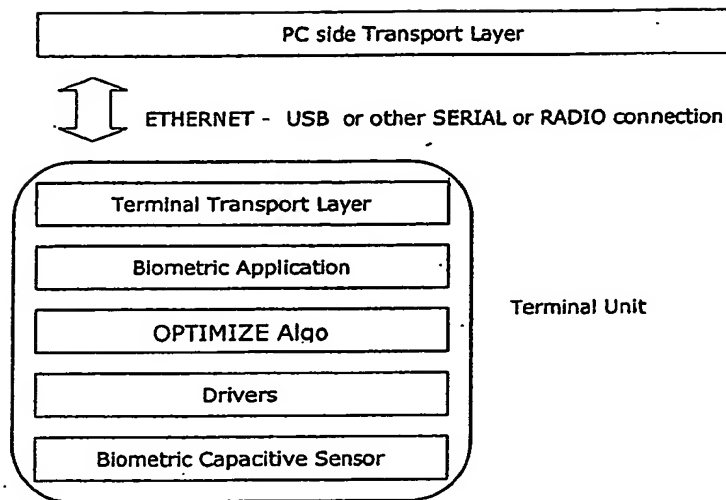


Fig. 4b



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**Fig. 4c**

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OPTIMIZE ALGORITHM
Capacitive fingerprint scanning image quality improvement algorithm

Fig. 5a

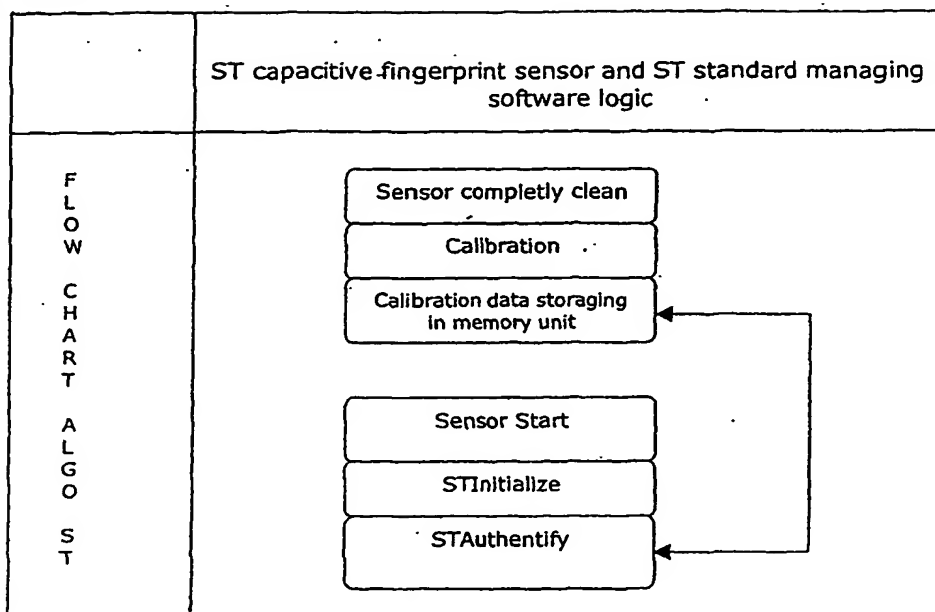
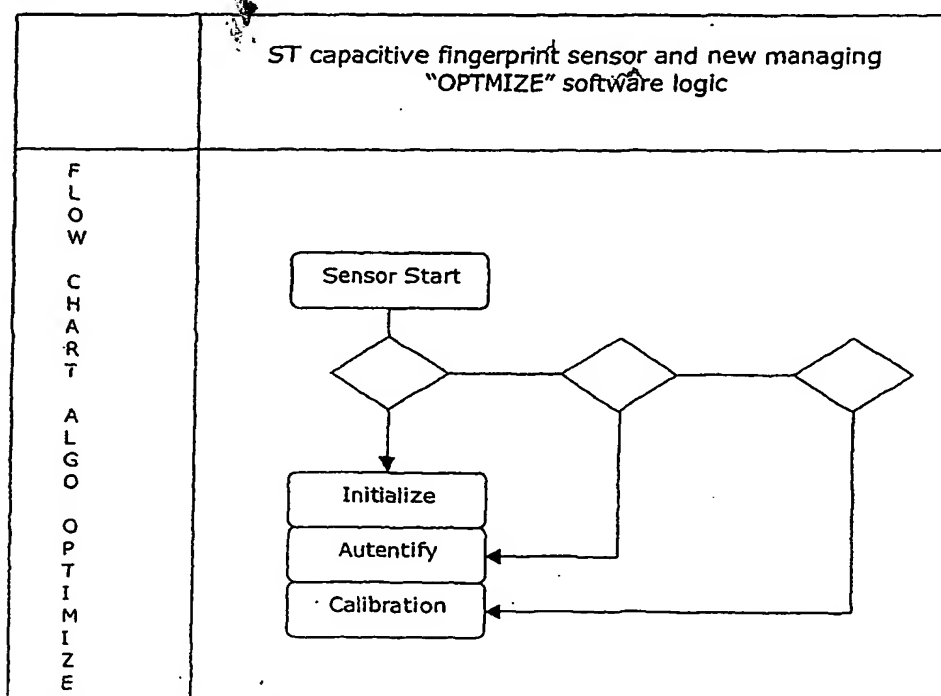


Fig. 5b



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Fig. 7

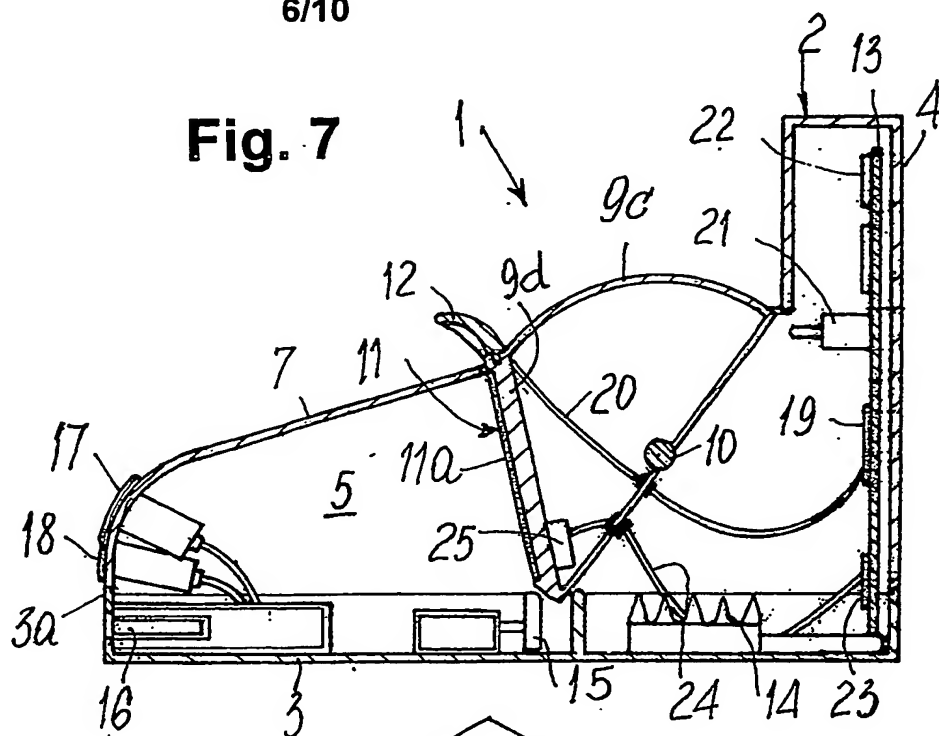
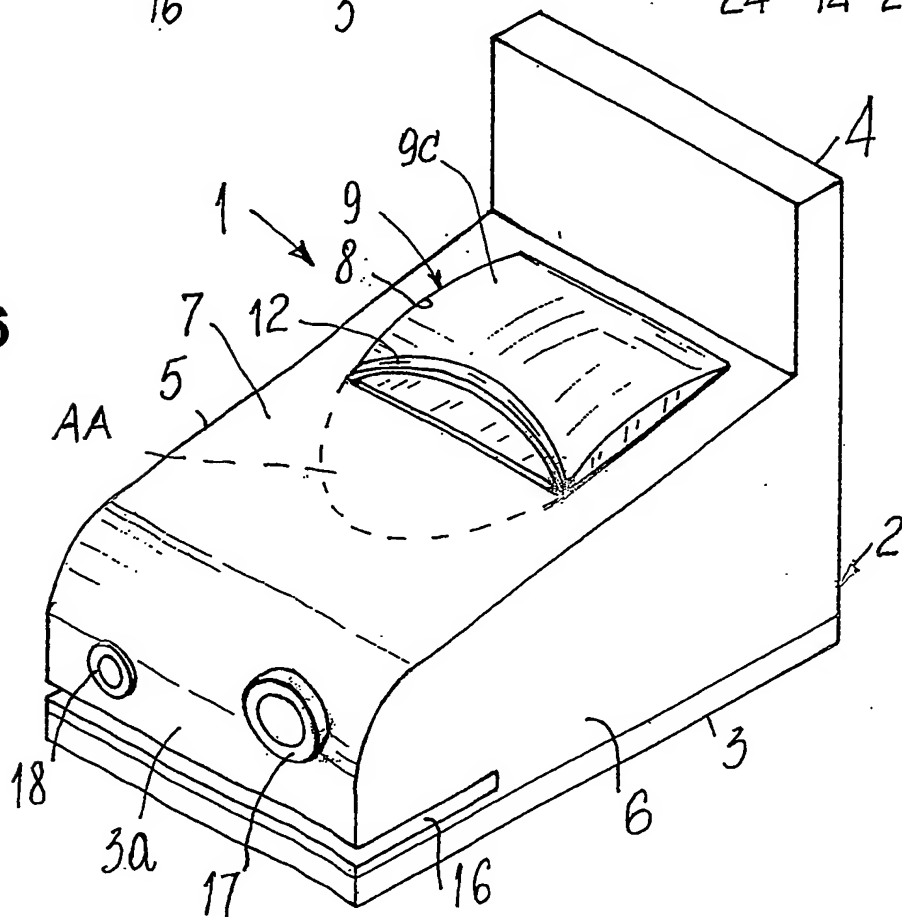


Fig. 6



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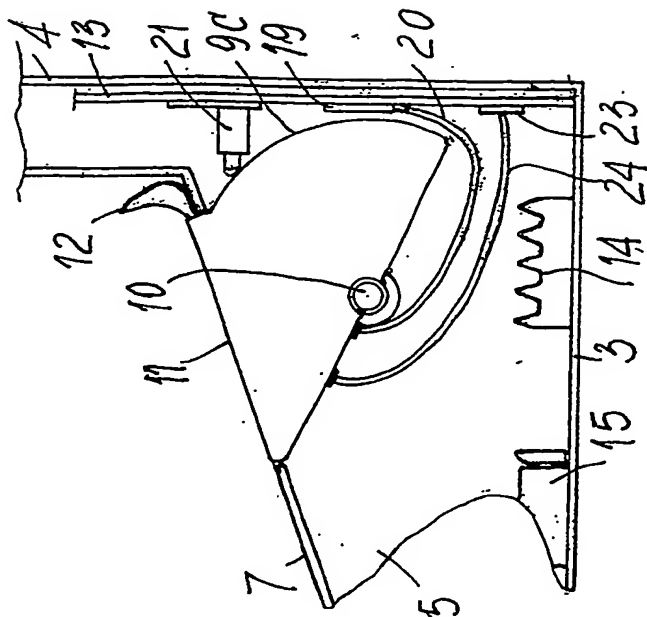


Fig. 9

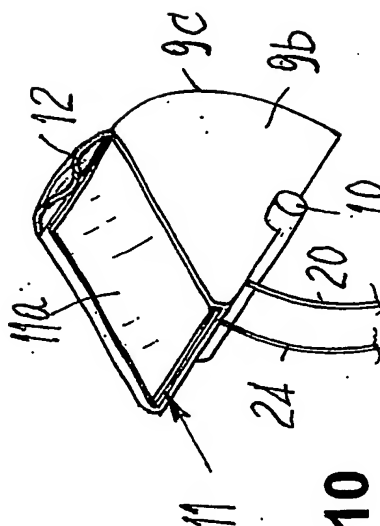


Fig. 10

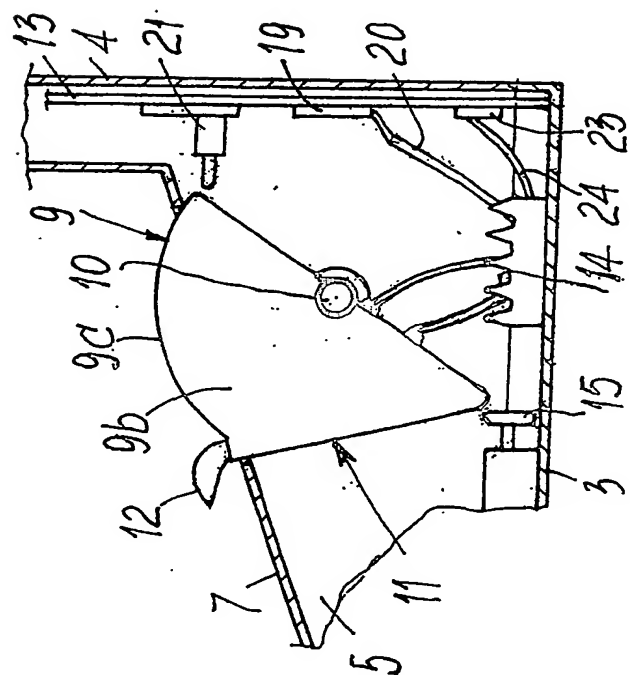


Fig. 8

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Fig. 11

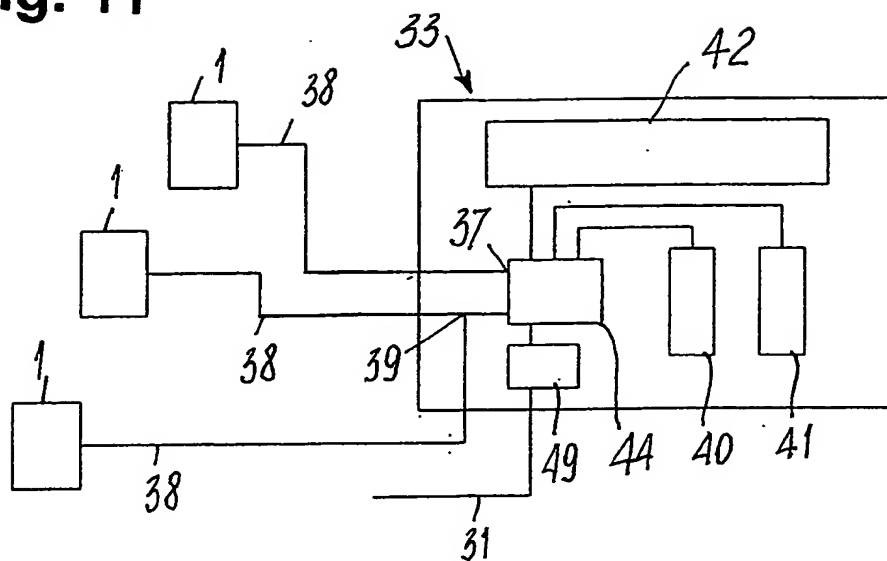
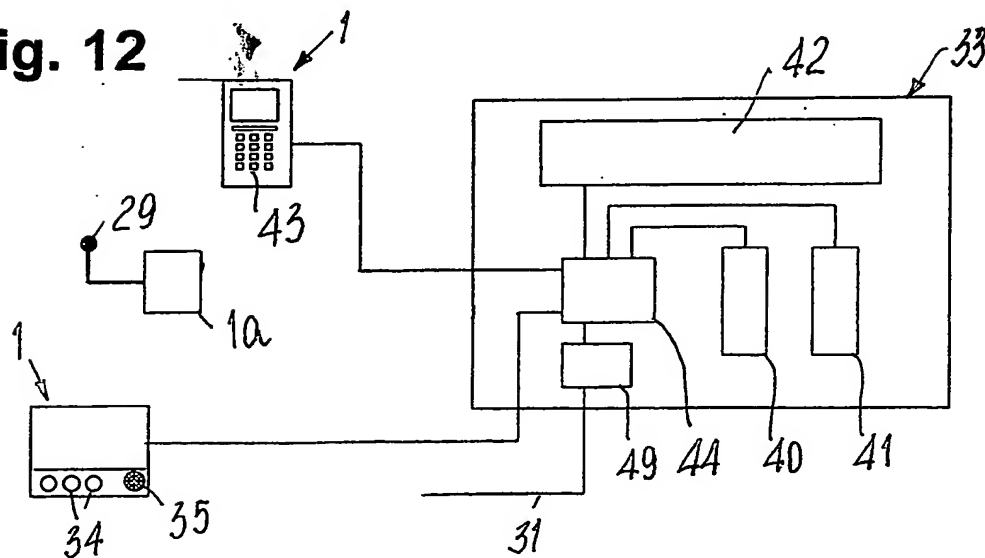


Fig. 12



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Fig. 13

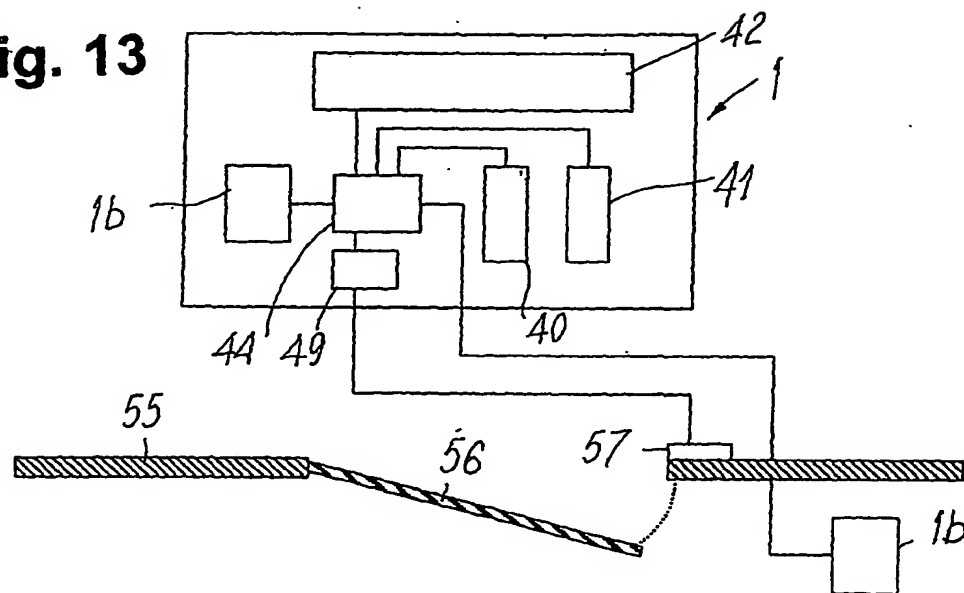


Fig. 14

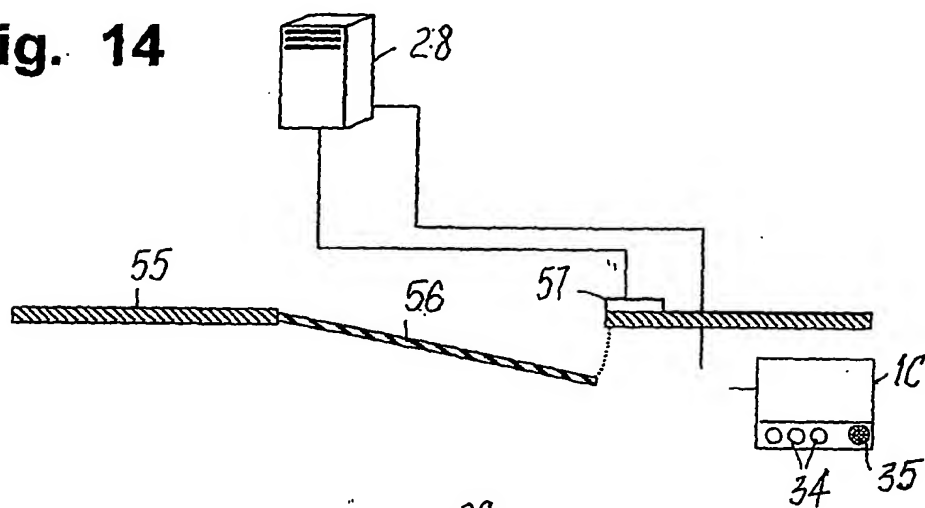
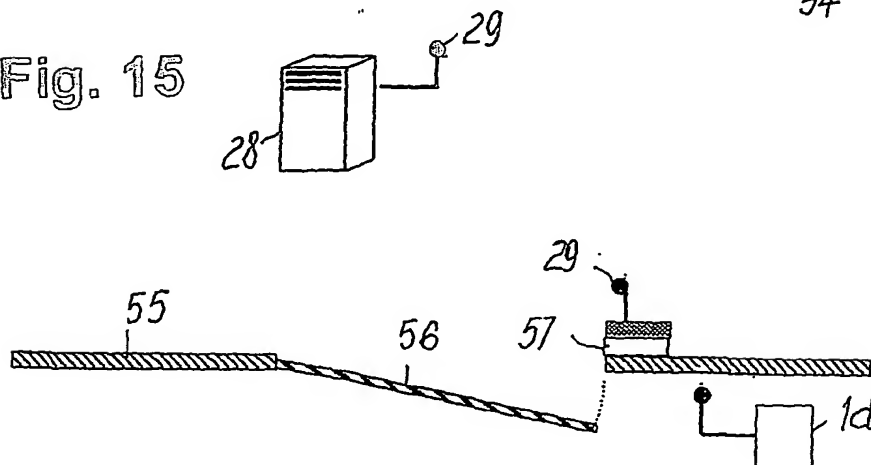


Fig. 15



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Fig. 16